

WATERLESS OFFSET PRINTING

High-resolution digital thermal waterless negative CTP printing plate
Delivers outstanding sharp detail and stability demanded in the security printing segment

Technical Data	
Type	IMPRIMA™ SC
Feature	Non ablative, negative working, digital thermal waterless printing plate with a wavelength of 830 nm
Application	Outstanding High Resolution applications, developed for security printers who desire a plate with excellent unbaked durability and chemical resistance
Plate base	Aluminum
Gauge	0.15 mm, 0.24 mm, 0.30 mm
Available sizes	All common plate sizes
Sensitivity	80 - 140 mJ/cm ² <i>(Dependent on imager type, configuration and resolution)</i>
Resolution @ 2.540 dpi	AM screening: 2-98% @ 240 lpi (96 l/cm) FM screening: 1-99 % with Staccato 20 Hybrid screening: 1-99 % e.g. Sublima 280
Compatibility with FM screening	20 µm
Daylight resistance	Up to 3 hours under standard safe-light conditions
Run length	Dependent upon image resolution, press, press chemicals, ink and paper conditions
Processors	Toray TWL 650F Waterless Plate processor Toray TWL 1160F2 Waterless Plate processor Heights TWP 680/1250 Waterless Plate processor Könings KTW 653/853 Waterless Plate processor
Processing	Step 1 - DP-1 <i>(pre-treatment)</i> Step 2, 3 - water: 5 ⁰ -8 ⁰ dH, 20 ⁰ -25 ⁰ C Step 4 - DA-1 <i>(after-treatment)</i>
Pre-treatment temperature	35°C +/- 1°C
Processing speed	Toray TWL 650F Waterless Plate processor: 30 - 40 cm/min. Toray TWL 1160F2 Waterless Plate processor: 50 - 80 cm/min. Heights TWP 680/1250 Waterless Plate processor: 50 - 80 cm/min. Könings KTW 653/853 Waterless Plate processor: 50 - 80 cm/min.
Dwell time	Toray TWL 650F Waterless Plate processor: 60 - 80 sec Toray TWL 1160F2 Waterless Plate processor: 45 - 72 sec Heights TWP 680/1250 Waterless Plate processor: 45 - 72 sec Könings KTW 653/853 Waterless Plate processor: 30 - 48 sec
Plate finisher	Not applicable

Learn more about Toray Waterless Printing

Please visit: www.imprima.toray

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